

ABSTRACT OF THE DISCLOSURE

The invention provides an optical system that enables focal length, image-formation position, etc. to be controlled in simple construction by bending the optical system to shift a light beam passing through it and so making use of an arbitrary portion of the optical system. In an image-formation optical system comprising at least two optical elements S_1 and S_2 , the at least two optical elements S_1 and S_2 are mutually decentered to vary the properties such as magnification.